Fortnightly eFolio Submission
Studio 1

STUDENT NAME AND ID

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SELF-EVALUATION:

Need Help	Work in Progress	Pass	Credit	Distinction	High Distinction

TASK 1.1 (P AND C LEVEL)

GitLab Link: https://git.infotech.monash.edu/hao-xu/fit5032/-/tree/main/week01

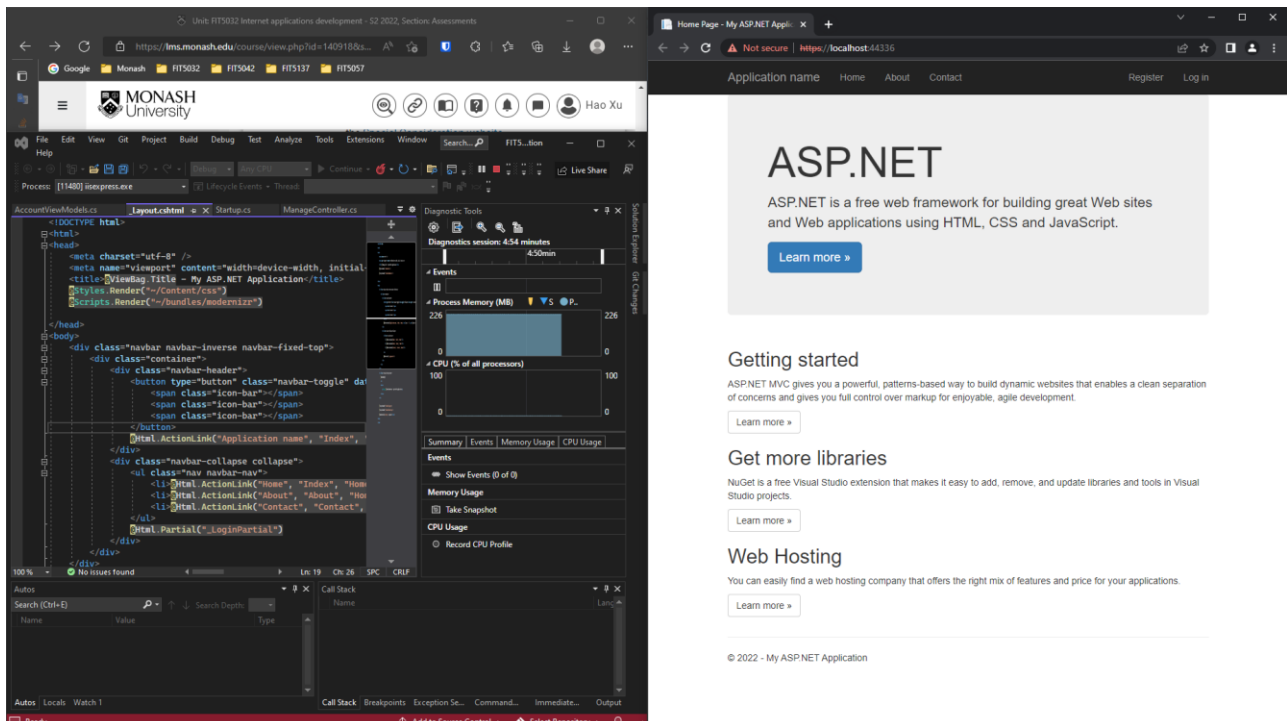A screenshot with successfully running Visual Studio Community Edition IDE IIS localhost:

Figure 1 my first application running in localhost

TASK 1.2 (H AND HD LEVEL)

1. A list of 5 current industry used IDEs (integrated development environment):

Visual Studio: from Microsoft. It can be used to develop cross-platform applications especially with .NET Framework and C#.

IntelliJ IDEA: from JetBrains. It can be used to develop computer software which are written in Java, Kotlin and other languages that are JVM compatible or JAR based.

PyCharm: from JetBrains. It can be used to develop computer software which are written in Python.

Eclipse: original from IBM, now free and open source. It can be also used to develop applications by using Java.

Android Studio: from Google. It can be used to develop Android mobile applications by using Java, Kotlin, XML, etc.

XCode: from Apple. It can be used to develop applications for iOS, macOS, iPadOS, etc.

2. Discussion about 5 features of Visual Studio Community Edition as an IDE

a. Develop: as an IDE, Visual Studio has a lot of shortcuts to speed up programmers' editing. Also, it has intelligent auto-completion, syntax highlighting and tips & tricks by using "light bulbs".
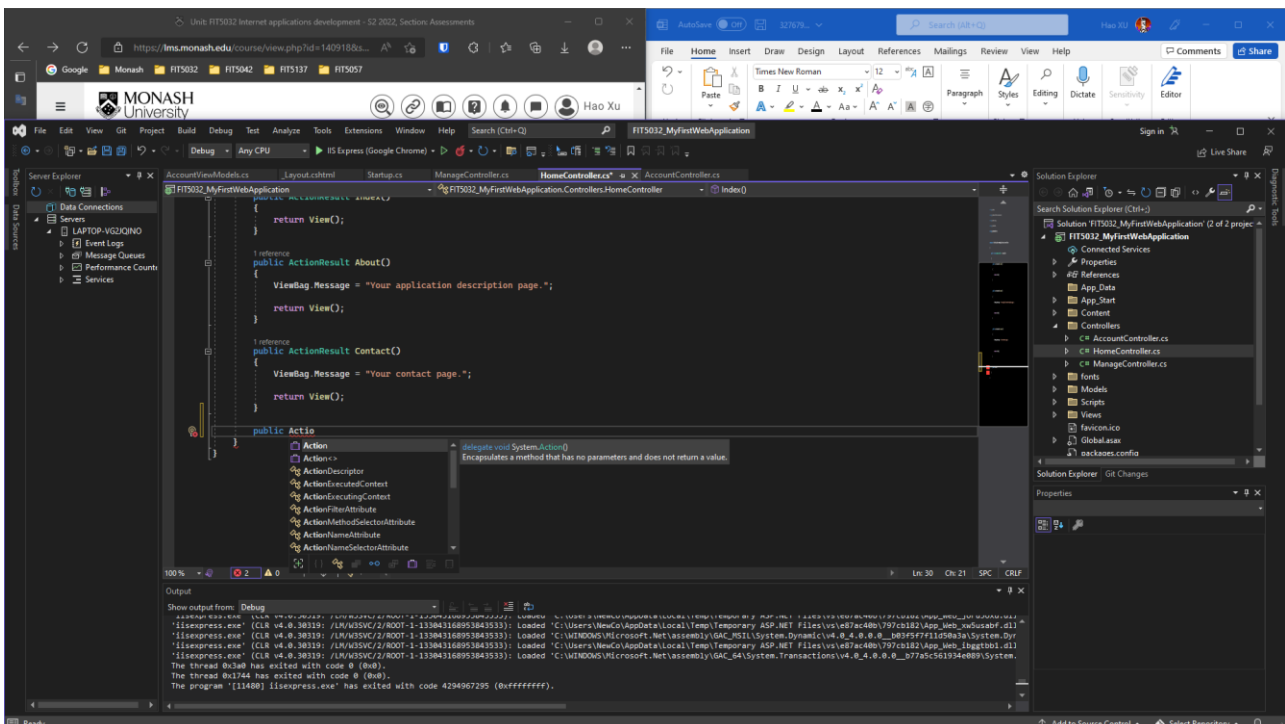

Figure 2 VS auto-completion

b. Debug: as an IDE, Visual Studio has rich debugging for the code and exception information.
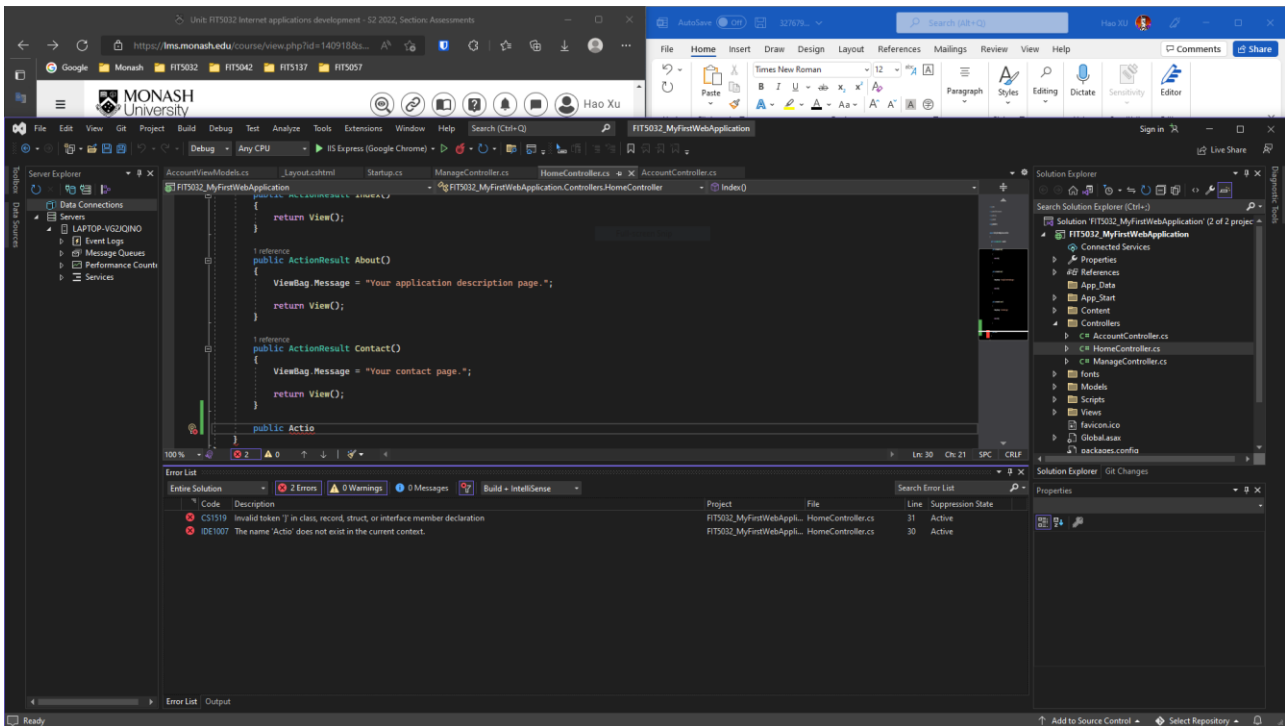

Figure 3 VS exception details

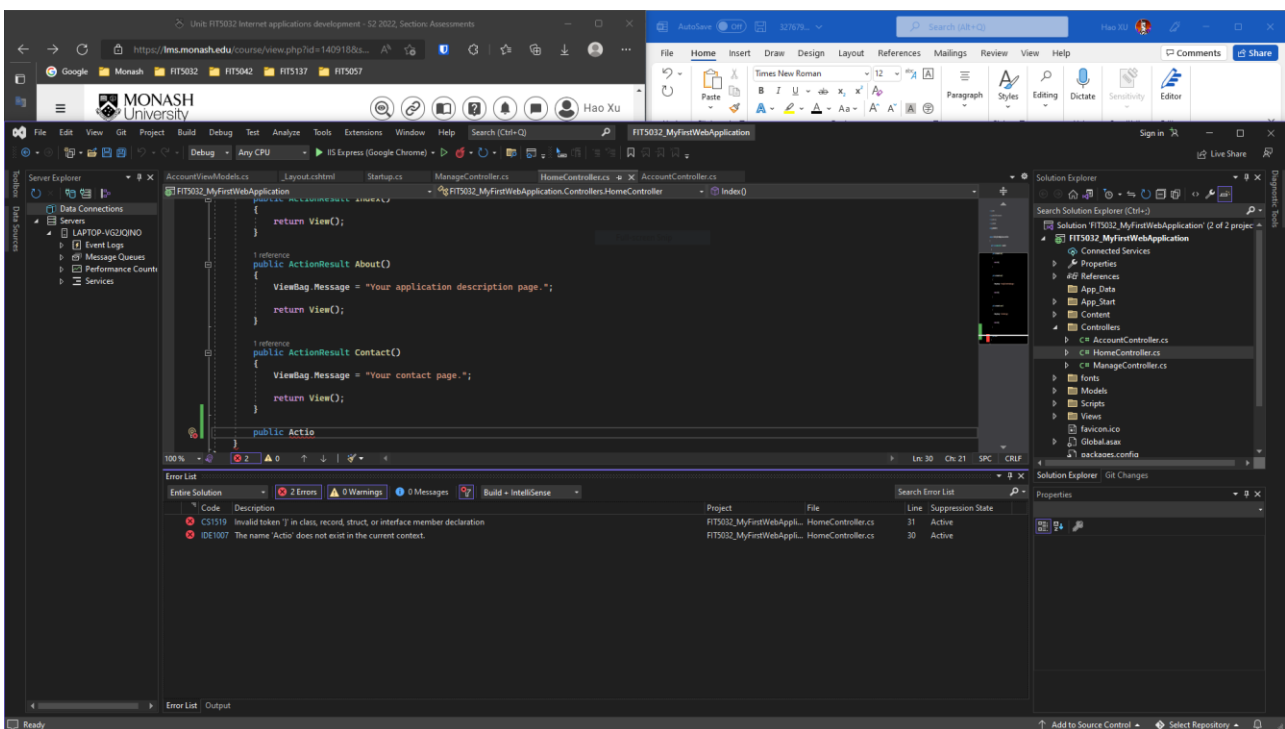c. Test: using a lot of built-in test frameworks that is even cross-platform.

Figure 4 VS test schema

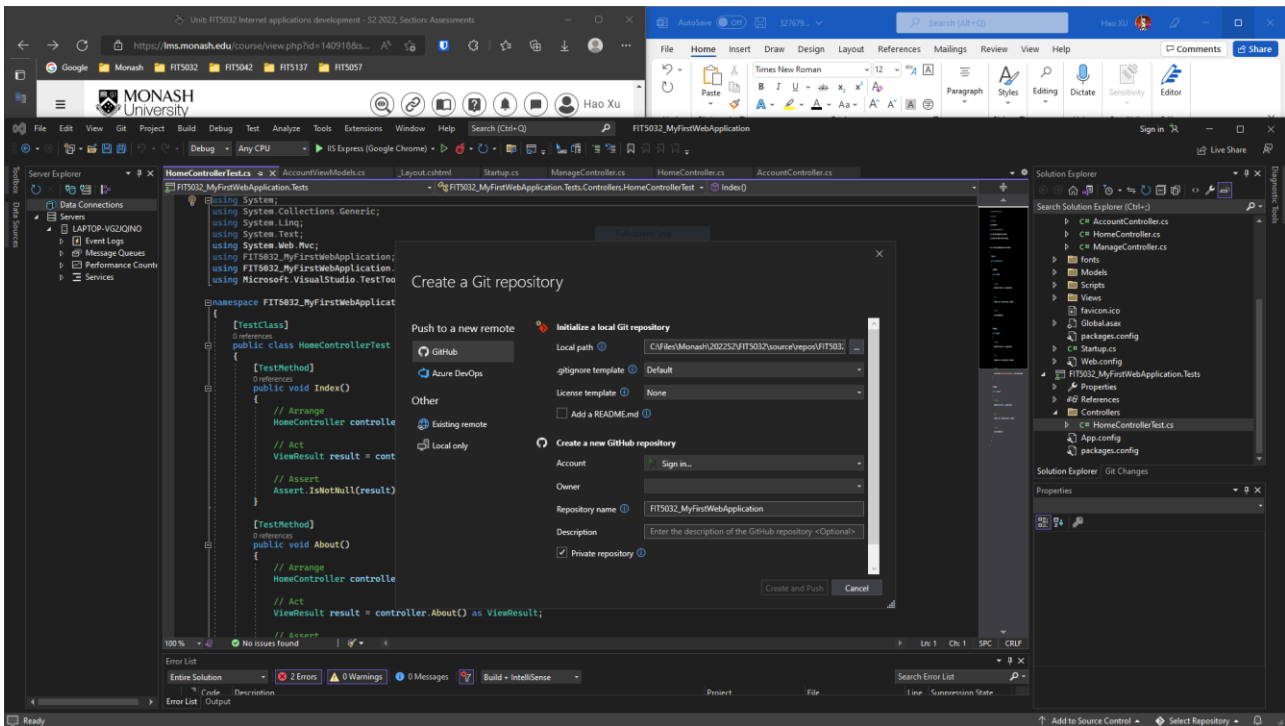d. Collaborate: VS can use Git to distribute version control.

Figure 5 VS Git version control

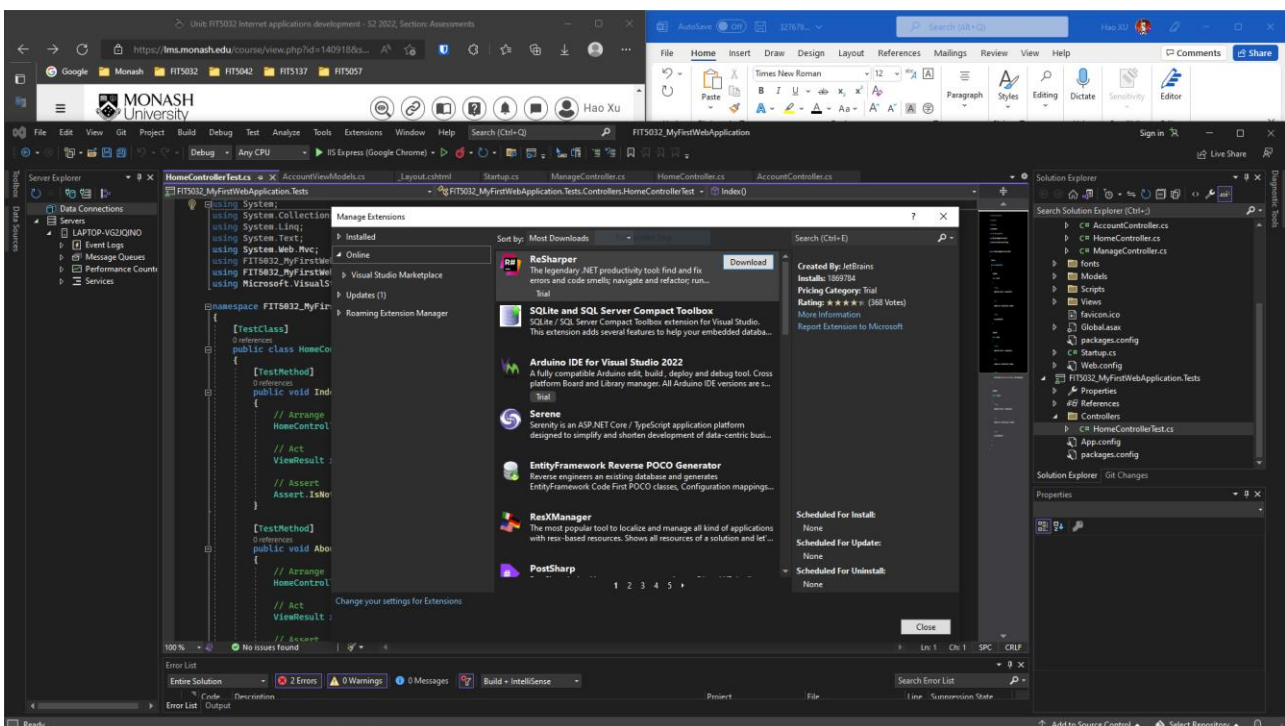e. Extend: there are a lot of extensions to enhance and customize the IDE.

Figure 6 VS very rich amounts of extensions in online market